

Serial Number: 10/026,706E

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☒ Other: inserted hard returns globally

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.



OIKE

RAW SEQUENCE LISTING

DATE: 04/09/2003

PATENT APPLICATION: US/10/026,106E

TIME: 11:14:46

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\04092003\J026106E.raw

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1 <110> APPLICANT: Renault, Jean-Christophe
2      Fickensicher, Helmut
3      Dumoutier, Laure
4      Hor, Simon
6 <120> TITLE OF INVENTION: Isolated Cytokine Receptor LICR-2
8 <130> FILE REFERENCE: LUD 5752 NDH
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/026,106E
12 <141> CURRENT FILING DATE: 2001-12-21
14 <160> NUMBER OF SEQ ID NOS: 19
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18 <212> TYPE: DNA
19 <213> ORGANISM: Homo sapiens
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25 <211> LENGTH: 21
26 <212> TYPE: DNA
27 <213> ORGANISM: Homo sapiens
W--> 28 <220> FEATURE:
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33 <211> LENGTH: 20
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35 <213> ORGANISM: Homo sapiens
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42 <212> TYPE: DNA
43 <213> ORGANISM: Homo sapiens
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50 <212> TYPE: DNA
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RAW SEQUENCE LISTING

DATE: 04/09/2003

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TIME: 11:14:46

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\04092003\J026106E.raw

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58 <212> TYPE: DNA
59 <213> ORGANISM: Homo sapiens
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64 <210> SEQ ID NO: 7
65 <211> LENGTH: 1599
66 <212> TYPE: DNA
67 <213> ORGANISM: Homo sapiens
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W--> 69 <400> SEQUENCE: 7
71 aaggccatgg cggggcccga gcgctggggc cccctgctcc tgtgcctgct gcaggccgct 60
72 ccagggaggc cccgtctggc ccctccccag aatgtgacgc tgctctccca gaacttcagc 120
73 gtgtacctga catggctcc cagggttggc aacccccagg atgtgacctt ttttgtggcc 180
74 atcagagctc tcccaccgt agacggtggc gcgaagtga agagtgtgcg ggaaccaagg 240
75 agctgctatg ttctatgatg tgcctgaaga aacaggacct gtacaacaag ttcaagggac 300
76 gcgtgctgac ggtttctccc agctccaagt cccctgggt ggagtccgaa tacctggatt 360
77 acctttttga agtggagccg gccccacctg tcctggtgct caccagacg gaggatcc 420
78 tgagtgccaa tgccacgtac cagctgcccc cctgcatgcc ccactggat ctgaagtatg 480
79 aggtggcatt ctggaaggag ggggccggaa acaagaccct atttccagtc actccccatg 540
80 gccagccagt ccagatcact ctccagccag ctgccagcga acaccactgc ctcatgcca 600
81 gaaccatcta cacgttcagt gtcccgaat acagcaagtt ctctaagccc acctgcttct 660
82 tgctggaggt cccagaagcg aactgggctt tcctggtgct gccatcgctt ctgatactgc 720
83 tgtagtaaat tgccgcaggg ggtgtgatct ggaagaccct catggggaac ccctggtttc 780
84 agcgggcaaa gatgccacgg gccctggact tttctggaca cacacacct gtggcaacct 840
85 ttcagcccaa cagaccagag tccgtgaatg acttgttcct ctgtcccaa aaggaactga 900
86 ccagaggggt caggccgacg cctcgagtca gggccccagc caccacaacg acaagatgga 960
87 agaaggacct tgcagaggac gaagaggagg aggatgagga ggacacagaa gatggcgta 1020
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89 actcggaggc tgggtgggtg gactcaggga ggcccagggc tcctctggtc ccaagcgaag 1140
90 gctcctctgc ttgggattct tcagacagaa gctgggcccag cactgtggac tcctcctggg 1200
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93 agtcccaga agataacctc tcctcctggg ccacctggg caccctacca ccggagccga 1380
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95 gccctgagga ggaagaggag gcgagggaat cagaaattga ggacagcgat gcgggcagct 1500
96 ggggggctga gagcaccag aggaccgagg acaggggccg gacattgggg cattacatgg 1560
97 ccagtgagc tgtccccga catccaccg aatctgatg 1599
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102 <211> LENGTH: 522
103 <212> TYPE: PRT
104 <213> ORGANISM: Homo sapiens
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W--> 106 <400> SEQUENCE: 8
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108 1 5 10 15

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Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\04092003\J026106E.raw

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109 Ala Ala Pro Gly Arg Pro Arg Leu Ala Pro Pro Gln Asn Val Thr Leu
110      20      25      30
111 Leu Ser Gln Asn Phe Ser Val Tyr Leu Thr Trp Leu Pro Gly Leu Gly
112      35      40      45
113 Asn Pro Gln Asp Val Thr Tyr Phe Val Ala Tyr Gln Ser Ser Pro Thr
114      50      55      60
115 Arg Arg Arg Trp Arg Glu Val Glu Glu Cys Ala Gly Thr Lys Glu Leu
116 65      70      75      80
117 Leu Cys Ser Met Met Cys Leu Lys Lys Gln Asp Leu Tyr Asn Lys Phe
118      85      90      95
119 Lys Gly Arg Val Arg Thr Val Ser Pro Ser Ser Lys Ser Pro Trp Val
120      100      105      110
121 Glu Ser Glu Tyr Leu Asp Tyr Leu Phe Glu Val Glu Pro Ala Pro Pro
122      115      120      125
123 Val Leu Val Leu Thr Gln Thr Glu Glu Ile Leu Ser Ala Asn Ala Thr
124      130      135      140
125 Tyr Gln Leu Pro Pro Cys Met Pro Pro Leu Asp Leu Lys Tyr Glu Val
126 145      150      155      160
127 Ala Phe Trp Lys Glu Gly Ala Gly Asn Lys Thr Leu Phe Pro Val Thr
128      165      170      175
129 Pro His Val Thr Pro His Gly Gln Pro Val Gln Ile Thr Leu Gln Pro
130      180      185      190
131 Ala Ala Ser Glu His His Cys Leu Ser Ala Arg Thr Ile Tyr Thr Phe
132      195      200      205
133 Ser Val Pro Lys Tyr Ser Lys Phe Ser Lys Pro Thr Cys Phe Leu Leu
134      210      215      220
135 Glu Val Pro Glu Ala Asn Trp Ala Phe Leu Val Leu Pro Ser Leu Leu
136 225      230      235      240
137 Ile Leu Leu Leu Val Ile Ala Ala Gly Gly Val Ile Trp Lys Thr Leu
138      245      250      255
139 Met Gly Asn Pro Trp Phe Gln Arg Ala Lys Met Pro Arg Ala Leu Asp
140      260      265      270
141 Phe Ser Gly His Thr Thr His Pro Val Ala Thr Phe Gln Pro Ser Arg
142      275      280      285
143 Pro Glu Ser Val Asn Asp Leu Phe Leu Cys Pro Gln Lys Glu Leu Thr
144      290      295      300
145 Arg Gly Val Arg Pro Thr Pro Arg Val Arg Pro Ala Thr Gln Gln Thr
146 305      310      315      320
147 Arg Trp Lys Lys Asp Leu Ala Glu Asp Glu Glu Glu Glu Asp Thr Glu
148      325      330      335
149 Asp Gly Val Ser Phe Gln Pro Tyr Ile Glu Pro Pro Ser Phe Leu Gly
150      340      345      350
151 Gln Glu His Gln Ala Pro Gly His Ser Glu Ala Gly Gly Val Asp Ser
152      355      360      365
153 Gly Arg Pro Arg Ala Pro Leu Val Pro Ser Glu Gly Ser Ser Ala Trp
154      370      375      380
155 Asp Ser Ser Asp Arg Ser Trp Ala Ser Thr Val Asp Ser Ser Trp Asp
156 385      390      395      400
157 Arg Ala Gly Ser Ser Gly Tyr Leu Ala Glu Lys Gly Pro Gly Gln Gly

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Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\04092003\J026106E.raw

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158          405          410          415
159 Pro Gly Gly Asp Gly His Gln Glu Ser Leu Pro Pro Pro Glu Phe Ser
160          420          425          430
161 Lys Asp Ser Gly Phe Leu Glu Glu Leu Pro Glu Asp Asn Leu Ser Ser
162          435          440          445
163 Trp Ala Thr Trp Gly Thr Leu Pro Pro Glu Pro Pro Asn Leu Val Pro
164          450          455          460
165 Gly Gly Pro Pro Val Ser Leu Gln Thr Leu Thr Phe Cys Trp Glu Ser
166 465          470          475          480
167 Ser Pro Glu Glu Glu Glu Ala Arg Glu Ser Glu Ile Glu Asp Ser
168          485          490          495
169 Asp Ala Gly Ser Trp Gly Ala Glu Ser Thr Gln Arg Thr Glu Asp Arg
170          500          505          510
171 Gly Arg Thr Leu Gly His Tyr Met Ala Arg
172          515          520

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174 <210> SEQ ID NO: 9

175 <211> LENGTH: 1469

176 <212> TYPE: DNA

177 <213> ORGANISM: Homo sapiens

W--> 178 <220> FEATURE:

W--> 179 <400> SEQUENCE: 9

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182 aaggccatgg cggggcccgga gcgctggggc cccctgctcc tgtgcctgct gcaggccgct 60
183 ccaggagggc cccgtctggc ccctccccag aatgtgacgc tgctctccca gaacttcagc 120
184 gtgtacctga catggctccc agggcttggc aacccccagg atgtgacctt ttttgtggcc 180
185 tatcagagct ctcccacccg tagacggtgg cgcgaagtgg aagagtgtgc gggaaccaag 240
186 gagctgctat gttctatgat gtgcctgaag aaacaggacc tgtacaacaa gttcaaggga 300
187 cgcgtgcgga cggtttctcc cagctccaag tccccctggg tggagtccga atacctggat 360
188 tacctttttg aagtggagcc ggccccacct gtcttgggtg tcacccagac ggaggagatc 420
189 ctgagtgcga atgccacgta ccagctgccc ccttgcattg cccactgga tctgaagtat 480
190 gaggtggcat tctggaagga gggggccgga aacaagaccc tatttccagt cactccccat 540
191 ggccagccag tccagatcac tctccagcca gctgccagcg aacaccactg cctcagtgcc 600
192 agaaccatct acacgttcag tgtcccgaaa tacagcaagt tctctaagcc cacctgcttc 660
193 ttgctggagg tcccaggact tttctggaca cacacaccct gtggcaacct ttcagcccag 720
194 cagaccagag tccgtgaatg acttgttctc ctgtcccaa aaggaactga ccagaggggt 780
195 caggccgacg cctcgagtca gggccccagc caccacacag acaagatgga agaaggacct 840
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197 ctacattgaa ccaccttctt tcctggggca agagcaccag gctccagggc actcggaggc 960
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202 agaattcttc ccaccacctg aattctccaa ggactcgggt ttcctggaag agctcccaga1200
203 agataacctc tcctcctggg ccacctgggg caccttacca ccggagccga atctgggtccc1260
204 tgggggaccc ccagtttctc ttcagacact gaccttctgc tgggaaagca gccctgagga1320
205 ggaagaggag gcgagggaat cagaaattga ggacagcgat gcgggcagct ggggggctga1380
206 gagcaccagg aggaccgagg acaggggccc gacattgggg cattacatgg ccaggtgagc1440
207 tgtccccga catcccaccg aatctgatg          1469
212 <210> SEQ ID NO: 10
213 <211> LENGTH: 244
214 <212> TYPE: PRT

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RAW SEQUENCE LISTING

DATE: 04/09/2003

PATENT APPLICATION: US/10/026,106E

TIME: 11:14:46

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\04092003\J026106E.raw

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221 Ala Ala Pro Gly Arg Pro Arg Leu Ala Pro Pro Gln Asn Val Thr Leu
222 20 25 30
223 Leu Ser Gln Asn Phe Ser Val Tyr Leu Thr Trp Leu Pro Gly Leu Gly
224 35 40 45
225 Asn Pro Gln Asp Val Thr Tyr Phe Val Ala Tyr Gln Ser Ser Pro Thr
226 50 55 60
227 Arg Arg Arg Trp Arg Glu Val Glu Glu Cys Ala Gly Thr Lys Glu Leu
228 65 70 75 80
229 Leu Cys Ser Met Met Cys Leu Lys Lys Gln Asp Leu Tyr Asn Lys Phe
230 85 90 95
231 Lys Gly Arg Val Arg Thr Val Ser Pro Ser Ser Lys Ser Pro Trp Val
232 100 105 110
233 Glu Ser Glu Tyr Leu Asp Tyr Leu Phe Glu Val Glu Pro Ala Pro Pro
234 115 120 125
235 Val Leu Val Leu Thr Gln Thr Glu Glu Ile Leu Ser Ala Asn Ala Thr
236 130 135 140
237 Tyr Gln Leu Pro Pro Cys Met Pro Pro Leu Asp Leu Lys Tyr Glu Val
238 145 150 155 160
239 Ala Phe Trp Lys Glu Gly Ala Gly Asn Lys Thr Leu Phe Pro Val Thr
240 165 170 175
241 Pro His Gly Gln Pro Val Gln Ile Thr Leu Gln Pro Ala Ala Ser Glu
242 180 185 190
243 His His Cys Leu Ser Ala Arg Thr Ile Tyr Thr Phe Ser Val Pro Lys
244 195 200 205
245 Tyr Ser Lys Phe Ser Lys Pro Thr Cys Phe Leu Leu Glu Val Pro Gly
246 210 215 220
247 Leu Phe Trp Thr His Thr Pro Cys Gly Asn Leu Ser Ala Gln Gln Thr
248 225 230 235 240
249 Arg Val Arg Glu
251 <210> SEQ ID NO: 11
252 <211> LENGTH: 21
253 <212> TYPE: DNA
254 <213> ORGANISM: Homo sapiens
W--> 255 <220> FEATURE:
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257 ttcagtgtcc cgaaatacag c 21
259 <210> SEQ ID NO: 12
260 <211> LENGTH: 20
261 <212> TYPE: DNA
262 <213> ORGANISM: Homo sapiens
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W--> 264 <400> SEQUENCE: 12
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VERIFICATION SUMMARY

DATE: 04/09/2003

PATENT APPLICATION: US/10/026,106E

TIME: 11:14:47

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\04092003\J026106E.raw

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L:20 M:283 W: Missing Blank Line separator, <220> field identifier
L:21 M:283 W: Missing Blank Line separator, <400> field identifier
L:28 M:283 W: Missing Blank Line separator, <220> field identifier
L:29 M:283 W: Missing Blank Line separator, <400> field identifier
L:36 M:283 W: Missing Blank Line separator, <220> field identifier
L:37 M:283 W: Missing Blank Line separator, <400> field identifier
L:44 M:283 W: Missing Blank Line separator, <220> field identifier
L:45 M:283 W: Missing Blank Line separator, <400> field identifier
L:52 M:283 W: Missing Blank Line separator, <220> field identifier
L:53 M:283 W: Missing Blank Line separator, <400> field identifier
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L:61 M:283 W: Missing Blank Line separator, <400> field identifier
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L:106 M:283 W: Missing Blank Line separator, <400> field identifier
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L:304 M:283 W: Missing Blank Line separator, <220> field identifier
L:305 M:283 W: Missing Blank Line separator, <400> field identifier
L:312 M:283 W: Missing Blank Line separator, <220> field identifier
L:313 M:283 W: Missing Blank Line separator, <400> field identifier
L:320 M:283 W: Missing Blank Line separator, <220> field identifier
L:321 M:283 W: Missing Blank Line separator, <400> field identifier



OIEPE

RAW SEQUENCE LISTING

DATE: 04/07/2003

PATENT APPLICATION: US/10/026,106E

TIME: 07:15:45

Input Set : A:\LUD 5752. Ascii Seq

Output Set: N:\CRF4\04042003\J026106E.raw

1 <110> APPLICANT: Renault, Jean-Christophe
 2 Fickensicher, Helmut
 3 Dumoutier, Laure
 4 Hor, Simon
 6 <120> TITLE OF INVENTION: Isolated Cytokine Receptor LICR-2
 8 <130> FILE REFERENCE: LUD 5752 NDH
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/026,106E
 12 <141> CURRENT FILING DATE: 2001-12-21
 14 <160> NUMBER OF SEQ ID NOS: 19

ERRORED SEQUENCES

101 <210> SEQ ID NO: 8
 102 <211> LENGTH: 522
 103 <212> TYPE: PRT
 104 <213> ORGANISM: Homo sapiens
 W--> 105 <220> FEATURE:
 W--> 106 <400> SEQUENCE: 8

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 108 1 5 10 15
 109 Ala Ala Pro Gly Arg Pro Arg Leu Ala Pro Pro Gln Asn Val Thr Leu
 110 20 25 30
 111 Leu Ser Gln Asn Phe Ser Val Tyr Leu Thr Trp Leu Pro Gly Leu Gly
 112 35 40 45
 113 Asn Pro Gln Asp Val Thr Tyr Phe Val Ala Tyr Gln Ser Ser Pro Thr
 114 50 55 60
 115 Arg Arg Arg Trp Arg Glu Val Glu Glu Cys Ala Gly Thr Lys Glu Leu
 E--> 116 65 70 75 80 ← insert hard return
 117 85 90 95
 118 Lys Gly Arg Val Arg Thr Val Ser Pro Ser Ser Lys Ser Pro Trp Val
 E--> 119 100 105 110
 120 Glu Ser Glu Tyr Leu Asp Tyr Leu Phe Glu Val Glu Pro Ala Pro Pro
 E--> 121 115 120 125
 122 Val Leu Val Leu Thr Gln Thr Glu Glu Ile Leu Ser Ala Asn Ala Thr
 E--> 123 130 135 140
 124 Tyr Gln Leu Pro Pro Cys Met Pro Pro Leu Asp Leu Lys Tyr Glu Val
 E--> 125 145 150 155 160 ↙ Ala Phe Trp Lys Glu Gly Ala Gly Asn
 126 165 170 175
 127 Pro His Val Thr Pro His Gly Gln Pro Val Gln Ile Thr Leu Gln Pro
 E--> 128 180 185 190
 129 Ala Ala Ser Glu His His Cys Leu Ser Ala Arg Thr Ile Tyr Thr Phe

E--> 130 195 200 205

RAW SEQUENCE LISTING

DATE: 04/07/2003

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TIME: 07:15:45

Input Set : A:\LUD 5752. Ascii Seq

Output Set: N:\CRF4\04042003\J026106E.raw

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E--> 132      210              215              220
133 Glu Val Pro Glu Ala Asn Trp Ala Phe Leu Val Leu Pro Ser Leu Leu
E--> 134 225              230              235              240
135 Ile Leu Leu Leu Val Ile Ala Ala Gly Gly Val Ile Trp Lys Thr Leu
E--> 136      245              250              255
137 Met Gly Asn Pro Trp Phe Gln Arg Ala Lys Met Pro Arg Ala Leu Asp
E--> 138      260              265              270
139 Phe Ser Gly His Thr Thr His Pro Val Ala Thr Phe Gln Pro Ser Arg
E--> 140      275              280              285
141 Pro Glu Ser Val Asn Asp Leu Phe Leu Cys Pro Gln Lys Glu Leu Thr
E--> 142      290              295              300
143 Arg Gly Val Arg Pro Thr Pro Arg Val Arg Pro Ala Thr Gln Gln Thr
E--> 144 305              310              315              320
145 Arg Trp Lys Lys Asp Leu Ala Glu Asp Glu Glu Glu Glu Asp Thr Glu
E--> 146      325              330              335
147 Asp Gly Val Ser Phe Gln Pro Tyr Ile Glu Pro Pro Ser Phe Leu Gly
E--> 148      340              345              350
149 Gln Glu His Gln Ala Pro Gly His Ser Glu Ala Gly Gly Val Asp Ser
E--> 150      355              360              365
151 Gly Arg Pro Arg Ala Pro Leu Val Pro Ser Glu Gly Ser Ser Ala Trp
E--> 152      370              375              380
153 Asp Ser Ser Asp Arg Ser Trp Ala Ser Thr Val Asp Ser Ser Trp Asp
E--> 154 385              390              395              400
155 Arg Ala Gly Ser Ser Gly Tyr Leu Ala Glu Lys Gly Pro Gly Gln Gly
E--> 156      405              410              415
157 Pro Gly Gly Asp Gly His Gln Glu Ser Leu Pro Pro Pro Glu Phe Ser
E--> 158      420              425              430
159 Lys Asp Ser Gly Phe Leu Glu Glu Leu Pro Glu Asp Asn Leu Ser Ser
E--> 160      435              440              445
161 Trp Ala Thr Trp Gly Thr Leu Pro Pro Glu Pro Pro Asn Leu Val Pro
E--> 162      450              455              460
163 Gly Gly Pro Pro Val Ser Leu Gln Thr Leu Thr Phe Cys Trp Glu Ser
E--> 164 465              470              475              480
165 Ser Pro Glu Glu Glu Glu Glu Ala Arg Glu Ser Glu Ile Glu Asp Ser
E--> 166      485              490              495
167 Asp Ala Gly Ser Trp Gly Ala Glu Ser Thr Gln Arg Thr Glu Asp Arg
E--> 168      500              505              510
169 Gly Arg Thr Leu Gly His Tyr Met Ala Arg
E--> 170      515              520
172 <210> SEQ ID NO: 9
173 <211> LENGTH: 1469
174 <212> TYPE: DNA
175 <213> ORGANISM: Homo sapiens
W--> 176 <220> FEATURE:
W--> 177 <400> SEQUENCE: 9
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181 ccaggggaggc cccgtctggc cctcccccag aatgtgacgc tgctctccca gaacttcagc 120
182 gtgtacctga catggctccc agggcttggc aacccccagg atgtgacctt ttttgtggcc 180

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TIME: 07:15:45

Input Set : A:\LUD 5752. Ascii Seq

Output Set: N:\CRF4\04042003\J026106E.raw

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183 tatcagagct ctcccacccg tagacggtgg cggaagtgg aagagtgtgc gggaaccaag 240
184 gagctgctat gttctatgat gtgcctgaag aaacaggacc tgtacaacaa gttcaaggga 300
185 cgcgtgcgga cggttttctcc cagctccaag tccccctggg tggagtccga atacctggat 360
186 tacctttttg aagtggagcc ggccccacct gtccctgtgc tcaccacagac ggaggagatc 420
187 ctgagtgccg atgccacgta ccagctgccc cctgtcatgc cccactgga tctgaagtat 480
188 gaggtggcat tctggaagga gggggccgga aacaagaccc tatttccagt cactcccat 540
189 ggccagccag tccagatcac tctccagcca gctgccagcg aacaccactg cctcagtgcc 600
190 agaaccatct acacgttcag tgtcccgaaa tacagcaagt tctctaagcc cacctgcttc 660
191 ttgctggagg tcccaggact tttctggaca cacacacct gtggcaacct ttcagccag 720
192 cagaccagag tccgtgaatg acttgttcct ctgtcccaa aaggaactga ccagaggggt 780
193 caggccgacg cctcagtgca gggccccagc caccacacag acaagatgga agaaggacct 840
194 tgcagaggac gaagaggagg aggatgagga ggacacagaa gatggcgtca gcttccagcc 900

```

E--> 195

ctacattgaa ccaccttctt tcttggggca agagcaccag gctccagggc actcggaggc 960 ✓ tgggtgggggtg gactcaggga gg

```

196 ttgggattct tcagacagaa gctggggccag cactgtggac tctcctggg acagggctgg1080
197 gtcctctggc tatttggctg agaagggggc aggccaagg cgggtgggg atgggaccall140
198 agaattcttc ccaccacctg aatttccaa ggactcgggt ttcctggaag agtcccagal200
199 agataacctc tctcctggg ccacctggg caccttacca ccggagccga atctgggtccc1260
200 tgggggaccc ccagtttctc ttcagacact gaccttctgc tgggaaagca gccctgaggal320
201 ggaagaggag gcgagggaat cagaaattga ggacagcgat gcgggcagct ggggggctgal380
202 gagcaccacg aggaccgagg acagggggccg gacattgggg cattacatgg ccaggtgagc1440
203 tgtcccccca catcccaccg aatctgatg 1469

```

208 <210> SEQ ID NO: 10

209 <211> LENGTH: 244

210 <212> TYPE: PRT

211 <213> ORGANISM: Homo sapiens

W--> 212 <220> FEATURE:

W--> 213 <400> SEQUENCE: 10

```

215 Met Ala Gly Pro Glu Arg Trp Gly Pro Leu Leu Leu Cys Leu Leu Gln
216 1 5 10 15
217 Ala Ala Pro Gly Arg Pro Arg Leu Ala Pro Pro Gln Asn Val Thr Leu
218 20 25 30
219 Leu Ser Gln Asn Phe Ser Val Tyr Leu Thr Trp Leu Pro Gly Leu Gly
220 35 40 45
221 Asn Pro Gln Asp Val Thr Tyr Phe Val Ala Tyr Gln Ser Ser Pro Thr
222 50 55 60
223 Arg Arg Arg Trp Arg Glu Val Glu Glu Cys Ala Gly Thr Lys Glu Leu

```

E--> 224

65 70 75 80 ✓ Leu Cys Ser Met Met Cys Leu

E--> 225 85 90 95

226 Lys Gly Arg Val Arg Thr Val Ser Pro Ser Ser Lys Ser Pro Trp Val

E--> 227 100 105 110

228 Glu Ser Glu Tyr Leu Asp Tyr Leu Phe Glu Val Glu Pro Ala Pro Pro

E--> 229 115 120 125

230 Val Leu Val Leu Thr Gln Thr Glu Glu Ile Leu Ser Ala Asn Ala Thr

E--> 231 130 135 140

232 Tyr Gln Leu Pro Pro Cys Met Pro Pro Leu Asp Leu Lys Tyr Glu Val

E--> 233 145 150 155 160

234 Ala Phe Trp Lys Glu Gly Ala Gly Asn Lys Thr Leu Phe Pro Val Thr

E--> 235 165 170 175

236 Pro His Gly Gln Pro Val Gln Ile Thr Leu Gln Pro Ala Ala Ser Glu

RAW SEQUENCE LISTING

DATE: 04/07/2003

PATENT APPLICATION: US/10/026,106E

TIME: 07:15:45

Input Set : A:\LUD 5752. Ascii Seq

Output Set: N:\CRF4\04042003\J026106E.raw

```
E--> 237          180          185          190
      238 His His Cys Leu Ser Ala Arg Thr Ile Tyr Thr Phe Ser Val Pro Lys
E--> 239          195          200          205
      240 Tyr Ser Lys Phe Ser Lys Pro Thr Cys Phe Leu Leu Glu Val Pro Gly
E--> 241          210          215          220
      242 Leu Phe Trp Thr His Thr Pro Cys Gly Asn Leu Ser Ala Gln Gln Thr
E--> 243 225          230          235          240
      244 Arg Val Arg Glu
```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/026,106E

DATE: 04/07/2003
TIME: 07:15:46

Input Set : A:\LUD 5752. Ascii Seq
Output Set: N:\CRF4\04042003\J026106E.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:8; Line(s) 116,125

Seq#:9; Line(s) 195

Seq#:10; Line(s) 224

VERIFICATION SUMMARY

DATE: 04/07/2003

PATENT APPLICATION: US/10/026,106E

TIME: 07:15:46

Input Set : A:\LUD 5752. Ascii Seq

Output Set: N:\CRF4\04042003\J026106E.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number
L:20 M:283 W: Missing Blank Line separator, <220> field identifier
L:21 M:283 W: Missing Blank Line separator, <400> field identifier
L:28 M:283 W: Missing Blank Line separator, <220> field identifier
L:29 M:283 W: Missing Blank Line separator, <400> field identifier
L:36 M:283 W: Missing Blank Line separator, <220> field identifier
L:37 M:283 W: Missing Blank Line separator, <400> field identifier
L:44 M:283 W: Missing Blank Line separator, <220> field identifier
L:45 M:283 W: Missing Blank Line separator, <400> field identifier
L:52 M:283 W: Missing Blank Line separator, <220> field identifier
L:53 M:283 W: Missing Blank Line separator, <400> field identifier
L:60 M:283 W: Missing Blank Line separator, <220> field identifier
L:61 M:283 W: Missing Blank Line separator, <400> field identifier
L:68 M:283 W: Missing Blank Line separator, <220> field identifier
L:69 M:283 W: Missing Blank Line separator, <400> field identifier
L:105 M:283 W: Missing Blank Line separator, <220> field identifier
L:106 M:283 W: Missing Blank Line separator, <400> field identifier
L:116 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:8
L:116 M:333 E: Wrong sequence grouping, Amino acids not in groups!
M:332 Repeated in SeqNo=8
L:176 M:283 W: Missing Blank Line separator, <220> field identifier
L:177 M:283 W: Missing Blank Line separator, <400> field identifier
L:195 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:3
L:212 M:283 W: Missing Blank Line separator, <220> field identifier
L:213 M:283 W: Missing Blank Line separator, <400> field identifier
L:224 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:10
L:224 M:333 E: Wrong sequence grouping, Amino acids not in groups!
M:332 Repeated in SeqNo=10
L:250 M:283 W: Missing Blank Line separator, <220> field identifier
L:251 M:283 W: Missing Blank Line separator, <400> field identifier
L:258 M:283 W: Missing Blank Line separator, <220> field identifier
L:259 M:283 W: Missing Blank Line separator, <400> field identifier
L:266 M:283 W: Missing Blank Line separator, <220> field identifier
L:267 M:283 W: Missing Blank Line separator, <400> field identifier
L:274 M:283 W: Missing Blank Line separator, <220> field identifier
L:275 M:283 W: Missing Blank Line separator, <400> field identifier
L:283 M:283 W: Missing Blank Line separator, <220> field identifier
L:284 M:283 W: Missing Blank Line separator, <400> field identifier
L:291 M:283 W: Missing Blank Line separator, <220> field identifier
L:292 M:283 W: Missing Blank Line separator, <400> field identifier
L:299 M:283 W: Missing Blank Line separator, <220> field identifier
L:300 M:283 W: Missing Blank Line separator, <400> field identifier
L:307 M:283 W: Missing Blank Line separator, <220> field identifier
L:308 M:283 W: Missing Blank Line separator, <400> field identifier
L:315 M:283 W: Missing Blank Line separator, <220> field identifier
L:316 M:283 W: Missing Blank Line separator, <400> field identifier